

Applicants: Ron S. Israeli et al.

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polypeptide, which polypeptide comprises a fragment of the prostate specific membrane antigen having within its structure the consecutive amino acid sequence Asp-Glu-Leu-Lys-Ala-Glu (SEQ ID NO: 35) .--

--115. (2X Amended) A purified antibody which binds to an outer membrane domain of prostate specific membrane antigenic polypeptide, which polypeptide comprises a fragment of the prostate specific membrane antigen having within its structure the consecutive amino acid sequence Asn-Glu-Asp-Gly-Asn-Glu (SEQ ID NO: 36) .--

--116. (2X Amended) A purified antibody which binds to an outer membrane domain of prostate specific membrane antigenic polypeptide, which polypeptide comprises a fragment of the prostate specific membrane antigen having within its structure the consecutive amino acid sequence Lys-Ser-Pro-Asp-Glu-Gly (SEQ ID NO: 37) .--

--117. (2X Amended) A purified antibody which binds to an outer membrane domain of prostate specific membrane antigenic polypeptide, which polypeptide comprises a fragment of the prostate specific membrane antigen having within its structure each of the following consecutive amino acid sequences:

- Cont
- (a) Asp-Glu-Leu-Lys-Ala-Glu (SEQ ID NO: 35);
 - (b) Asn-Glu-Asp-Gly-Asn-Glu (SEQ ID NO: 36);
 - (c) Lys-Ser-Pro-Asp-Glu-Gly (SEQ ID NO: 37); and
 - (d) Ala-Gly-Ala-Leu-Val-Leu-Ala-Gly-Gly-Phe-Phe-Leu-Leu-Gly-Phe-Leu-Phe (SEQ ID NO:38).--

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- H1
Cont
- 118. (2X Amended) A purified antibody which binds to an outer membrane domain of prostate specific membrane antigenic polypeptide, which polypeptide comprises a fragment of the prostate specific membrane antigen having within its structure each of the following consecutive amino acid sequences:
- (a) Asp-Glu-Leu-Lys-Ala-Glu (SEQ ID NO: 35);
(b) Asn-Glu-Asp-Gly-Asn-Glu (SEQ ID NO: 36); and
(c) Lys-Ser-Pro-Asp-Glu-Gly (SEQ ID NO: 37).--

- 120. (2X Amended) A purified antibody which binds to a fragment of prostate specific membrane antigenic polypeptide, which polypeptide fragment corresponds to an outer membrane domain of prostate specific membrane antigen, the amino acid sequence of which antigen is set forth in SEQ ID NO:2.--

- H2
- 121. (Amended) The purified antibody of claim 120, wherein the polypeptide comprises within its structure each of the following consecutive amino acid sequences:
- (a) Asp-Glu-Leu-Lys-Ala-Glu (SEQ ID NO: 35);
(b) Asn-Glu-Asp-Gly-Asn-Glu (SEQ ID NO: 36); and
(c) Lys-Ser-Pro-Asp-Glu-Gly (SEQ ID NO: 37).--

- 122. (2X Amended) The purified antibody of any one of claims 114-118 and 120-121, wherein the antibody is a monoclonal antibody.--

- 123. (2X Amended) A composition of matter comprising the purified antibody of any one of claims 114-118 and 120-